

CLAIMS

1. (Original) A magnetic toner comprising magnetic
toner base particles each containing at least a binder
5 resin and a magnetic body, wherein:

(i) the binder resin contains a polyester unit;

(ii) the toner has a weight average particle size
(D4) of 5.0 to 9.0 μm ;

(iii) the toner has a true specific gravity of 1.3
10 to 1.7 g/cm^3 ;

(iv) the toner has a saturated magnetization of 20
to 35 Am^2/kg in a magnetic field of 796 kA/m ;

(v) the toner contains 60 number% or more of toner
having a circularity of 0.93 or more; and

15 (vi) a dielectric loss tangent ($\tan\delta$) of the toner
at 100 kHz satisfies the following formula (1).

[Formula]

$$(\tan\delta_H - \tan\delta_L) / \tan\delta_L \leq 0.20 \quad (1)$$

[In the formula, $\tan\delta_H$ represents a dielectric loss
20 tangent of the toner at a glass transition temperature
($^{\circ}\text{C}$) + 10 $^{\circ}\text{C}$ and $\tan\delta_L$ represents a dielectric loss
tangent of the toner at the glass transition
temperature ($^{\circ}\text{C}$) - 10 $^{\circ}\text{C}$.]

25 2. (Original) A magnetic toner according to claim
1, wherein the toner contains 75 number% or more of
toner having a circularity of 0.93 or more.

3. (Original) A magnetic toner according to claim 1 or 2, wherein a dielectric loss tangent ($\tan\delta$) of the toner at 100 kHz and 40°C is 2×10^{-3} to 1×10^{-2} .

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4. (Original) A magnetic toner according to any one of claims 1 to 3, wherein a dielectric constant of the toner at 100 kHz and 40°C is 15 to 40 (pF/m).

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5. (Original) A magnetic toner according to any one of claims 1 to 4, wherein the magnetic body has a number average particle size of 0.08 to 0.30 μm .

6. (Original) A magnetic toner according to any one of claims 1 to 5, further comprising 30 mass% or more of a component having a molecular weight of 10,000 or less in a molecular weight distribution of the toner.

7. (Original) A magnetic toner according to any one of claims 1 to 6, wherein the binder resin contains two or more kinds of resins different from each other in softening point.

8. (Canceled)

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9. (Canceled)